

Status Report for IRM Application Development Team

April 2007 prepared by Patrick Cope.

Database Administration

- ❖ Source Safe management > Setup Code management implementation, working on configuring CVS as the SSM tool Apr-May2007
- ❖ Data warehouse migrations > Migrating OWB from Release 1 into Release 2. Software configured on kingfish server, pending export/import *2007
- ❖ Database server replication > Design, implement, test database replication features. *Mar-May 2007
- ❖ Application server replication > Design, implement, test application server replication features. *Mar-May 2007

Web Master

- ❖ Post updates to web site as required *Ad-hoc *2007
- ❖ Working with WICC on website naming policy and NOAA wide banner *2007
- ❖ Organize committee to re-evaluate the current web site in order for re-write. *2007

Vessel List

- ❖ Creating a "master vessel list" for Gulf States which will aide in assessing vessel activity by year, gear, etc. Using the combination of FIN, coast guard and state vessel data to put this list together. This list will reside in an oracle table, in SEFIN. Currently defining table structure. 35% completed.

Head Boat

- ❖ Replicate legacy DOS system to web based. The system is used to collect/report tour trip catches. Data loading functions completed, currently performing requirements gathering for reporting functions. 60% completed.
- ❖ All the files have now been uploaded to the development server. Complete

Dealer Management System (DMS)

- ❖ Dealer Management System. Currently applying minor revisions to the GUI. 90% completed.

Louisiana Trip Ticket Review System (LDWF)

- ❖ Revising the app to automate the ticket review process some. Currently performing requirements gathering, awaiting feedback from the users. 5% completed.

Texas Trip Ticket Review System (TXTT)

- ❖ Landings review application similar to the AL & LA apps. Currently performing requirements gathering and defining table structures. 5% completed.

Gulf Shrimp System (GSS)

- ❖ FL shrimp data is integrated into GSS - Currently in production, awaiting feedback from Frank Patella. 98% completed

Florida Trip Ticket System (FTT)

- ❖ Synchronizing of Data Sets with FWCPort agents have reviewed and corrected the requested data from FWC. .(Completed 01/31/2007)
- ❖ Preparation of Dataset to be loaded into VOU 2005 Data loaded successfully.
- ❖ Providing Dataset to Mike Travis From SERO Completed

- ❖ Preparation Of Dataset to be Used With GSS (with Antonio Cano) Awaiting Review By Frank Patella (Guy Davenport is following Up)
- ❖ Getting Port Agents Corrections To FWCOracle tables holding changes made to Species, County, Vessel, and Salt Water Product License were created and sent to FWC the second week of February. Because FWC is still using Oracle 9i it was necessary to provide scripts to create and populate these tables provided to Gail MacAulay of FWC. Gail has created these tables in Oracle and is just starting to look at the changes proposed by the NMFS field agents. A draft of a document describing the work products to be produced documenting changes to gear and water body were prepared, and sent to FWC. Preliminary work products concerning gear and water body differences as described in that draft were generated and provided to FTT data manager for review.
- ❖ Elimination of Duplicates Records in Datasets Steve Brown of FWC has provided a list of records that he believes are duplicates and has deleted them from the FWC datasets. These records have been deleted from the FTT data sets as well. Steve has noted that there will be forthcoming several more lists of duplicate records as soon as he has the time to work on them.
- ❖ **Up Next** Providing changes to water body and gear information to Florida. Updating ALS System with all changes made to FTT system
- ❖ Performed Global corrections to some Florida data for Carlos Llull.

Trip Information Program – Online (TIP Online)

- ❖ Assisting With Load Of North Carolina Data Into TIPONLINE Worked with David Gloeckner to get data loaded into TIPONLINE. (Completed)

Information Quality Act (IQA)

- ❖ Helped Joan Browder get a 250 page PDF into the system. It was timing out from the Internet.

Enterprise Data Warehouse (EDW)

- ❖ IRM team has been chosen to accept this system from Artech consulting. Once the team has completed previously assigned projects this transfer will begin. On Hold
- ❖ Team is reviewing the Discoverer material
- ❖ Reviewing Discover Material Installation Of Oracle Warehouse Builder Software is awaiting OWB data migration from release 1 to release 2.

Pink Shrimp System (PSS)

- ❖ Re-write and re-platform Joan Browders Pink Shrimp application. Currently this application is a Basic application.
- ❖ I translated the simulation from VBasic to Java without the user interface. I focused on reading the input and producing the right output. 90% of the output field's match perfectly, the remainders are off by up to 10%. A meeting is scheduled with Joan Browder to get metadata for the variables, to let her choose what part of the algorithm she wishes to parameterize, and to explore whether the differences are significant, or perhaps just differences in rounding errors between VB and Java.

Fisheries Logbook System (FLS)

- ❖ Update and add new validation checks for Trips and Discard data. Completed
- ❖ Track and fix missing values when data is moved to archive tables. Completed
- ❖ Fix errors that were stopping some Batches to be moved data into production. Completed
- ❖ Analyze possible reasons why some SET trips were duplicated and correct the problem. Completed
- ❖ Generate Vessels and Dealers new permits list from SERO. Completed
- ❖ Add enhancements to the Discards modules. Completed

Pelagic Observer Program (POP Online)

- ❖ **Problems when using, xls files with SAS** Email to users proposing solutions as follows: Put a numeric 0 into first record of columns that are numeric but have a lot of missing values. Change Registry so that SAS reads more than eight records when deterring column type.
- ❖ Data Analysis to determinate the existence of missing legacy data. Completed
- ❖ Fix an issue with the date format in the Data Entry interface. Completed

Landing Collection System (LCS)

- ❖ Design phase. Mission statement of LCS is to load raw data from the Southeastern states in a more timely fashion so as to support Quota Monitoring by species by water body. It will be important to track the update of this raw data so as to understand what process has updated the data; rather it is fax, online or additional SCBI data uploads and when the update occurred. Towards the end of the fishing year there will be a combination of Version 1, 2, and 3 data in the LCS database, when the fishery assessment occurs, concerning closing or keeping the fishery open. In process.
- ❖ Mapping data file supplied by the different states. Complete.
- ❖ Mapping Code Tables supplied by the different states. In process.

Fishery Compliance System (FCS)

- ❖ Design Phase. LCS must first be delivered before FCS can be developed. On Hold.

Collaborative Acoustic Telemetry (CAT)

- ❖ Had a conversation with Pete Sheridan in the beginning of February discussing the possibility of Panama City Lab Scientists using this application to house their VEMCO data as relates to shark tag research.
- ❖ Some final modifications were done to the application before it was delivery to the end users and moved into production. Completed

NOAA / SEFSC On-line Float Plan

- ❖ Apply modifications requested by Dave McClellan. In process
- ❖ There is a requirement from AOML to use this application so they can schedule the use of the vehicles at AOML. On Hold.

Stranding Turtle System (STS)

- ❖ Requirement from the SEFSC turtle team to automate a manual data collection system and create summary reporting. In process.

Mammal Stranding Network Directory (Mammal)

- ❖ Provide an Access database with the networking data to generate report from access. Completed

Recreational Billfish System (RBS)

- ❖ Working additional requirements for data entry and reporting. June 2007

Reef Visual Census (RVC)

- ❖ Tech Memo published by February 5, 2007
- ❖ Raw Data Server Set-up by mid-February (RSMAS). Waiting on Steve Smith's go ahead
- ❖ Oracle Setup (RSMAS Server) by March 2007
- ❖ Define data transfer process by April 2007
- ❖ RVC data available to public by May 2007

Domestic Longline System Re-Write (DLS)

- ❖ During October and November of 2006 we embarked on re-writing this application. Due to other priorities this project is on hold.

Fisheries Logbook System Re-Write (FLS)

- ❖ Re-write this application. On Hold.

SEFSC Web Site Re-Write

- ❖ Re-write this application. On Hold.

Beaufort Web Site

- ❖ Web site is waiting for Aleta Hohn to give feedback and content, since May 2006. On Hold.

TED/BRD Web Site for Pascagoula Lab

- ❖ Development of this web site is On Hold, waiting for requirements and content. On hold.

Metadata Reconciliation Project (MRP)

- ❖ Susan Molina tasked Lloyd Muccio and Lee Weinberger with reconciling 3 different metadata systems currently at SEFSC.
- ❖ I created new sql routines to enter the Data Inventory data more easily.
- ❖ I added full entries (not just placeholder entries) on 28 systems:

South Florida Sportfishing Geodatabase System (SFSGeo)

- ❖ Mapviewer metadata created in Kingfish.production.
- ❖ MRFSS data was updated incorporating 2004-2006 data.
- ❖ Created four SFSGEO screenshots. Requested by David Carter.
- ❖ Created a map in ArcMap software. Map Requested by Jennifer Shull.

EPAT (Emergency Preparedness & Asset Tracking System)

- ❖ SEFSC Security, EPAT and SFSGEO are now in kingfish.production.
- ❖ Creating a new "Supervisor" role for the EPAT system.
- ❖ Implementing new EPAT role in SEFSC_Security system.

USER SUPPORT

- ❖ Lloyd helped Michael Parrack customize Pelagic Logbook queries and Pelagic Observer queries to get exactly what he wanted via sqlDeveloper.
- ❖ Lloyd also gave him his first lessons on sql, and how to peer into the database using sqlDeveloper.

IRM Administration and Contracts

- ❖ First floor printer has arrived and is in production on 4/19/07
- ❖ Xerox printers 60 month lease expires November 30, 2008
- ❖ Tony's contract is being reviewed by CASC and SEFSC in conjunction with the IDIQ contract with Artech.
- ❖ Received direction to hire a contract programmer to replace Eduardo.
- ❖ Paul Baertlein's contract is up for renewal end of July.